



structures, functions, arrays, pointers, and object-oriented programming concepts. It is a comprehensive exam that tests the fundamental concepts of C++ programming and ensures that the candidates have a strong foundation in this language. Additionally, the certification exam is vendor-neutral, which means that it is not tied to any particular software or hardware vendor.

## C++ Institute C++ Certified Associate Programmer Sample Questions (Q127-Q132):

### NEW QUESTION # 127

What is the output of the program?

```
#include <iostream>
#include <string>
using namespace std;
int main()
{
string s1="Wo";
string s2;
s2 = s1;
string s3;
s3 = s2.append("rldHello");
cout << s3;
return( 0 );
}
```

- A. It prints: HelloWo
- **B. It prints: WorldHello**
- C. It prints: World
- D. It prints: Hello

**Answer: B**

Explanation:

Section: Volume A

### NEW QUESTION # 128

Which code, inserted at line 10, generate the output "50"?

```
#include <iostream>
using namespace std;
class Base {
int age;
public:
Base () {
age=5;
};
//insert code here
void Print() { cout << age;}
};
void setAge(Base &ob) {ob.age = 0;}
int main () {
Base a;
a.Print();
setAge(a);
a.Print();
return 0;
}
```

- A. None of these
- B. friend void setAge(Base \*ob);
- **C. friend void setAge(Base &ob);**
- D. friend void setAge(Base ob);

**Answer: C**

**NEW QUESTION # 129**

What happens when you attempt to compile and run the following code?

```
#include <iostream>
using namespace std;
int fun(int x) {
return 2*x;
}
int main(){
int i;
i = fun(1) || fun(2);
cout << i;
return 0;
}
```

- A. It prints: 1
- B. It prints: -1
- C. It prints: 0
- D. Compilation error

**Answer: A**

**NEW QUESTION # 130**

What happens when you attempt to compile and run the following code?

```
#include <iostream>
using namespace std;
int main()
{
int x=0;
int *ptr;
ptr = &x;
cout<<x<<" "<<*ptr;
return 0;
}
```

- A. It prints: 1
- B. It prints: 0 0
- C. It prints: 2
- D. It prints address of ptr

**Answer: B**

**NEW QUESTION # 131**

What happens when you attempt to compile and run the following code?

```
#include <iostream>
using namespace std;
int fun(int x) {
return 2*x;
}
int main(){
int i;
i = fun(0.5) || fun(0);
cout << i;
return 0;
}
```

